

**From:** Cindy White/MTG/USEPA/US  
**Sent:** 3/8/2012 10:39:26 AM

**To:** Fred Foreman/ESC/R3/USEPA/US@EPA; Richard Rupert/R3/USEPA/US  
**CC:** Tonya Hudson/MTG/USEPA/US@EPA  
**Subject:** Radium-228 analysis

Fred and Rich,

We are working through the Dimock samples as fast as we can, but we wanted to inform you of a QC issue that we had with a batch of samples for Radium-228 analysis. It's really too much to explain in detail, but I'll try to summarize. Normally we batch samples in groups of 20 for QC purposes, but for the Radium-228 analysis, it is too difficult to perform chemistry on 20 samples all at once due to labor intensive shaking of separatory funnels. Instead, we break the 20 samples (including QC) down into smaller batches of 6-8 samples with at least one QC sample. The chemistry is performed and the samples are counted, then we go on to the next smaller batch until all 20 are completed. However, in one of the smaller batches, the QC sample failed. Instead of re-analyzing all 20 samples, we only re-analyzed the samples (and QC) affected in the smaller batch.

The Data Package will contain both the failed results as well as the re-analysis results, and the Case Narrative will include the details. If after reviewing the data, you feel a re-analysis of all 20 samples is more appropriate, we will re-analyze them.

Let me know if you have any questions.

Thanks,

Cindy White  
Analytical Services Coordinator  
USEPA/NAREL  
540 S. Morris Avenue  
Montgomery, AL 36115  
334-270-7052 Work  
334-270-3454 FAX